



Rail Fleet Services Monthly Report April 2018

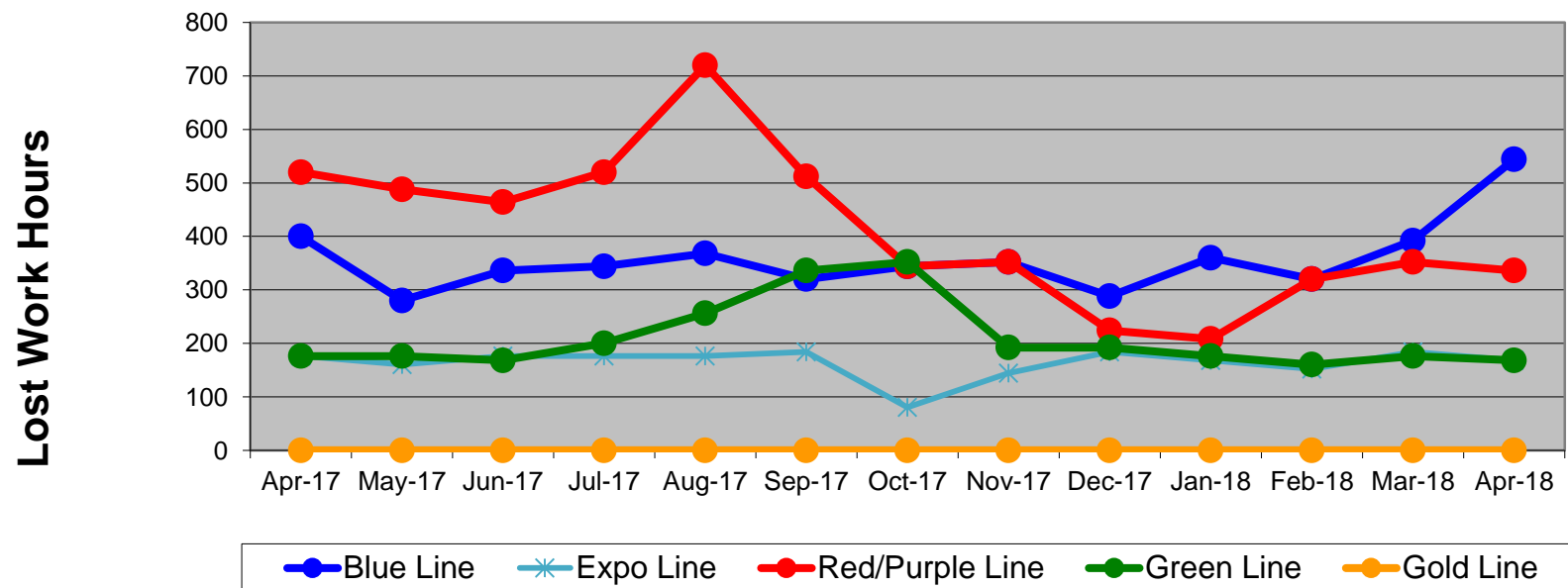
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Industrial Injuries – Lost Work Hours April 2017-2018

	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	13-Month Period
Blue Line	400	280	336	344	368	320	344	352	288	360	320	392	544	4,648
Expo Line	176	160	176	176	176	184	80	144	184	168	152	184	168	2,128
Red/Purple Line	520	488	464	520	720	512	344	352	224	208	320	352	336	5,360
Green Line	176	176	168	200	256	336	352	192	192	176	160	176	168	2,728
Gold Line	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	1,272	1,104	1,144	1,240	1,520	1,352	1,120	1,040	888	912	952	1,104	1,216	14,864

Industrial Injuries (lost work hours)



Rail Vehicle Accidents & Major Incidents

April 2017-2018

Repair Costs	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	13-Month Period
Blue Line	\$2,586	\$0	\$15,084	\$632	\$268	\$3,683	\$31,202	\$1,016	\$344	\$0	\$120	\$561	\$0	\$55,496
Expo Line	\$1,420	\$0	\$0	\$0	\$191	\$0	\$25,571	\$597	\$321	\$0	\$563	\$8,890	\$9,249	\$46,802
Red/Purple Line	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$741	\$0	\$0	\$741
Green Line	\$334	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,777	\$0	\$12,111
Gold Line	\$191	\$2,692	\$0	\$0	\$0	\$1,343	\$5,751	\$0	\$680	\$0	\$0	\$0	\$0	\$10,657
Totals	\$4,531	\$2,692	\$15,084	\$632	\$459	\$5,026	\$62,524	\$1,613	\$1,345	\$0	\$1,424	\$21,228	\$9,249	\$125,807

Rail Vehicle Accident Costs - April 2018

Date	Incident #	Problem Code	Incident Description	Repair Cost
Metro Blue Line				
4/13/18	2993586	Train vs. Object	A 10-71 was reported. The Skirt was not secured and flew up on train.	\$ -
4/13/18	2994445	Train vs. Object	A 10-71 was reported in the yard, trains vs portable stairs.	\$ -
Metro Blue Line Total				\$ -
Metro Expo Line				
4/11/18	2992483	Train vs. Vehicle	A 10-73 was reported at Lincoln & Colorado, Track 3 NB.	\$ 7,114
4/12/18	2992964	Train vs. Object	A 10-71 was reported. A Skirt was loose and made contact with the platform at Sepulveda station. The Skirt completely came off and was recovered.	\$ -
4/18/18	2995177	Train vs. Vehicle	A 10-73 was reported at Lincoln & Colorado, Track 4.	\$ 575
4/22/18	2996942	Train vs. Object	A 10-71 was reported, Train and Bicyclist at Crenshaw Ped Crossing, Track 4 SB.	\$ 1,560
Metro Expo Line Total				\$ 9,249
Metro Gold Line				
4/16/18	2994543	Train vs. Object	A 10-71 was reported, damaged Skirt.	\$ -
Metro Gold Line Total				\$ -
Grand Total				\$ 9,249
10-71 = Train vs. Object/ 10-72 = Train vs. Pedestrian/ 10-73 = Train vs. Vehicle/ 10-74 = Train vs. MTA Vehicle/ 10-75 = Derailment				

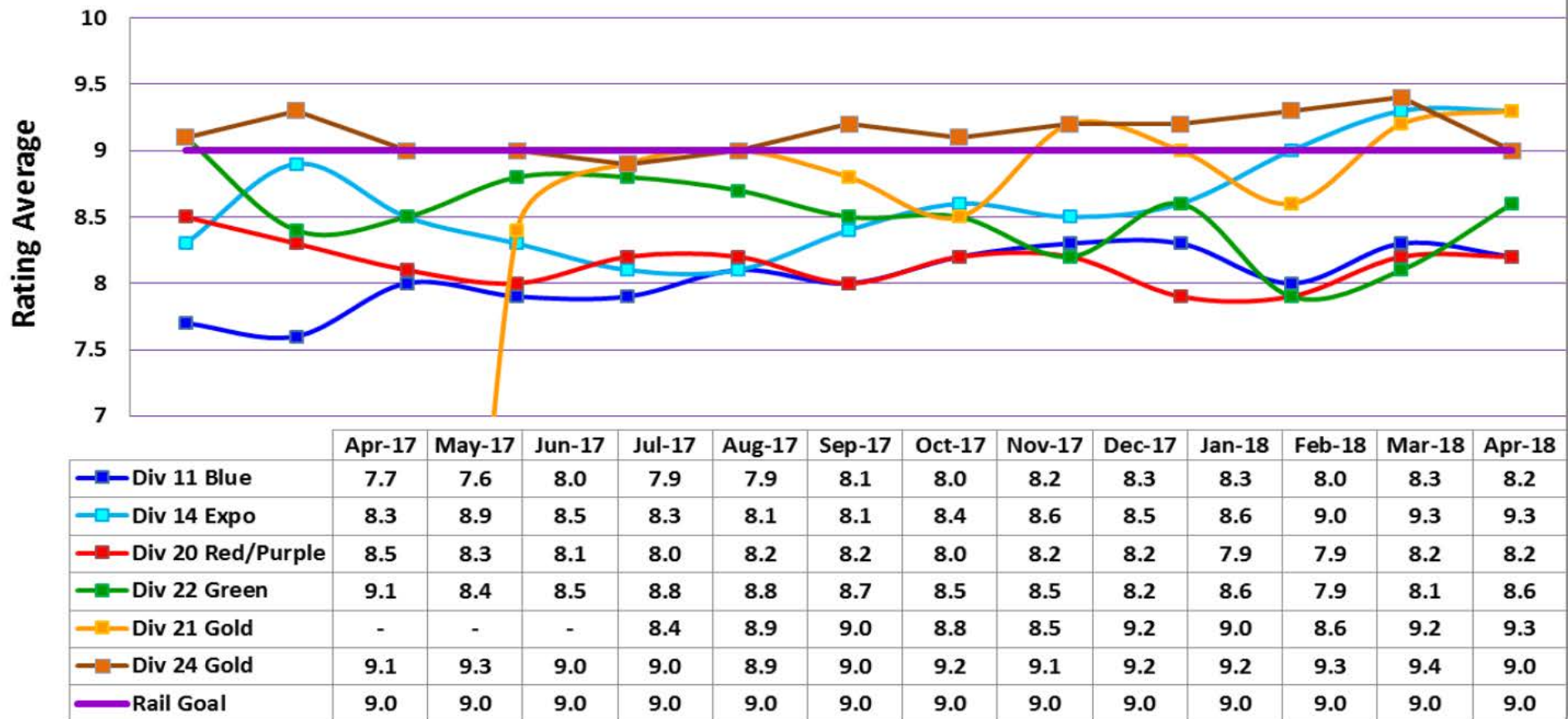


Note: Repair costs are only the expenses captured during the time period of the report. Actual costs may be significantly higher, if repairs are spread out over several months.

Rail Vehicle – Car Cleanliness

April 2017-2018

Car Cleanliness Report



Service Delivery April 2018

Blue Line Fleet Size: 92

<u>Pull Out</u>	<u>Vehicles Required</u>	<u>Average Available</u>	<u>% Up (Down)</u>
Weekday:	66	68	103%
Weekend:	26	50	192%

Monthly Mileage: 474,465

Expo Line Fleet Size: 55

<u>Pull Out</u>	<u>Vehicles Required</u>	<u>Average Available</u>	<u>% Up (Down)</u>
Weekday:	42	43	102%
Weekend:	30	36	120%

Monthly Mileage: 294,052

Red/Purple Line Fleet Size: 98

<u>Pull Out</u>	<u>Vehicles Required</u>	<u>Average Available</u>	<u>% Up (Down)</u>
Weekday:	64	76	119%
Weekend:	40	64	160%

Monthly Mileage: 589,872

Green Line Fleet Size: 36

<u>Pull Out</u>	<u>Vehicles Required</u>	<u>Average Available</u>	<u>% Up (Down)</u>
Weekday:	26	27	104%
Weekend:	14	21	150%

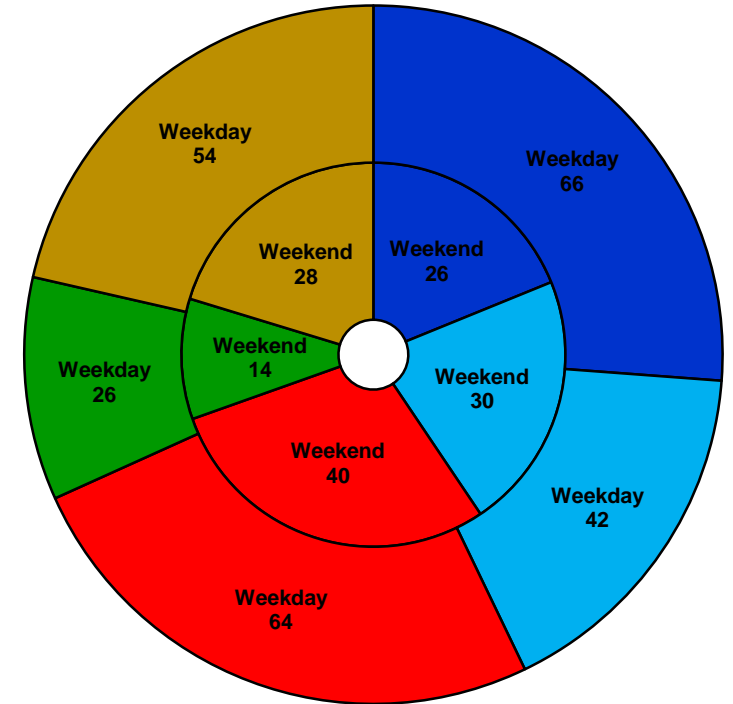
Monthly Mileage: 249,009

Gold Line Fleet Size: 72

<u>Pull Out</u>	<u>Vehicles Required</u>	<u>Average Available</u>	<u>% Up (Down)</u>
Weekday (Div 21):	10	10	100%
Weekday (Div 24):	44	45	102%
Weekend (Div 24):	28	42	150%

***Monthly Mileage: 565,502**

*** Gold Line monthly mileage includes Division 21 and 24.**

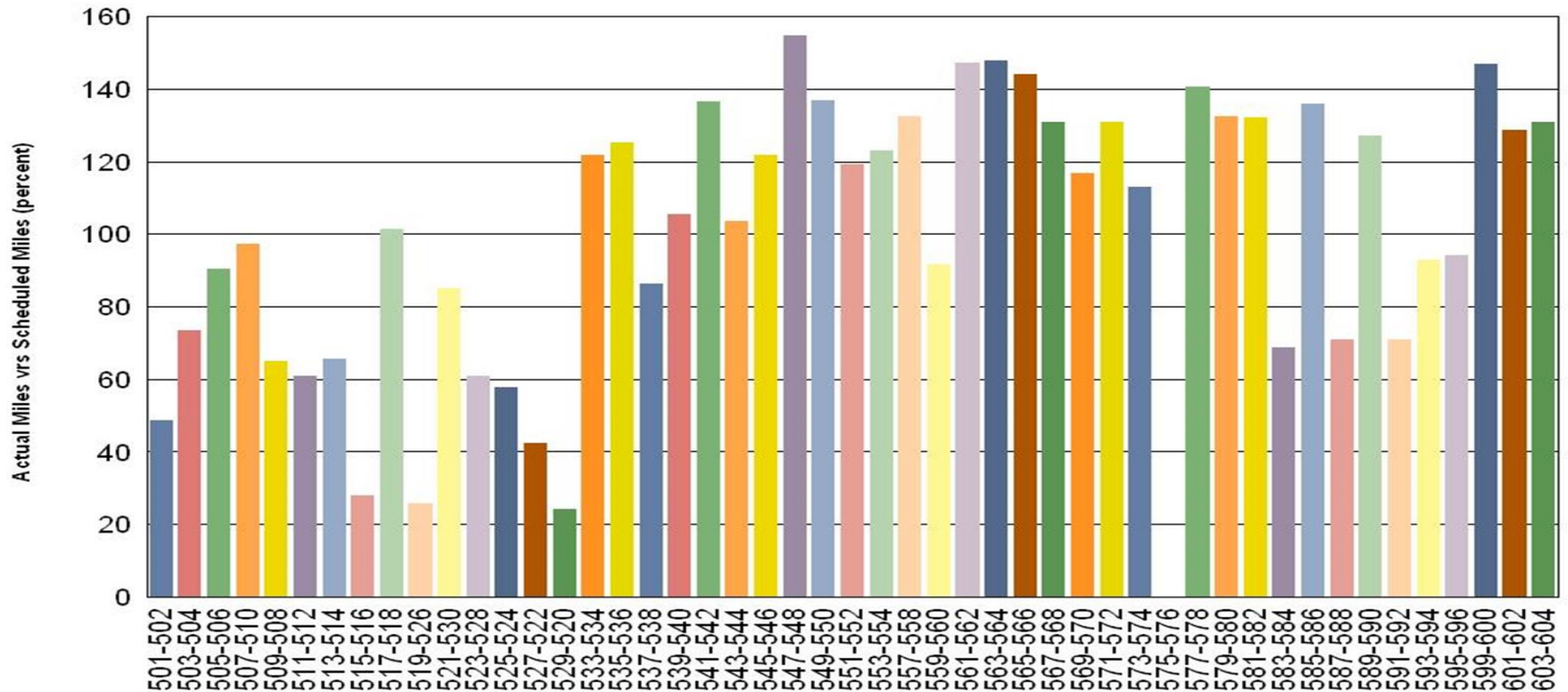


■ Blue Line ■ Expo Line ■ Red/Purple Line ■ Green Line ■ Gold Line

NOTES: Standby trains not included in vehicle requirements

Vehicle Utilization April 2018

Metro Red/Purple Line (98 Cars)



Red/Purple Line:

The following cars were in service below 40% due to:

Car # 515-516 – Coupler Overhaul Program

Car # 519-526 – 90K Inspection

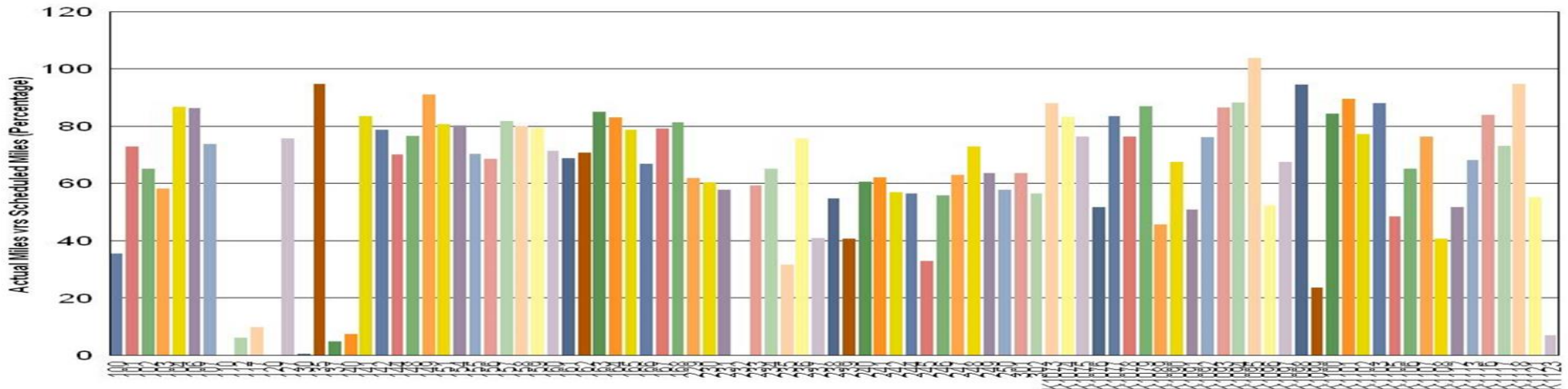
Car # 529-520 – ATP Fault – Flashing Cab Signal

Car # 575-576 – Interior Renovation Campaign



Vehicle Utilization April 2018

Metro Blue Line (92 Cars)



Blue Line: The following cars were in service below 40% due to:

Car # 100 – ATP Issue/ Paint Restoration for City of Long Beach

Car # 110 – Marvel Movie Production

Car # 112 – Decommissioned and Sold at Auction

Car # 117 – Decommissioned and Sold at Auction

Car # 120 – Marvel Movie Production

Car # 130 – Marvel Movie Production

Car # 137 – Decommissioned and Sold at Auction

Car # 140 – Decommissioned and Sold at Auction

Car # 232 – Off the Property for Midlife Overhaul

Car # 235 – Door Overhaul/ 75K Inspection/ Work Orders

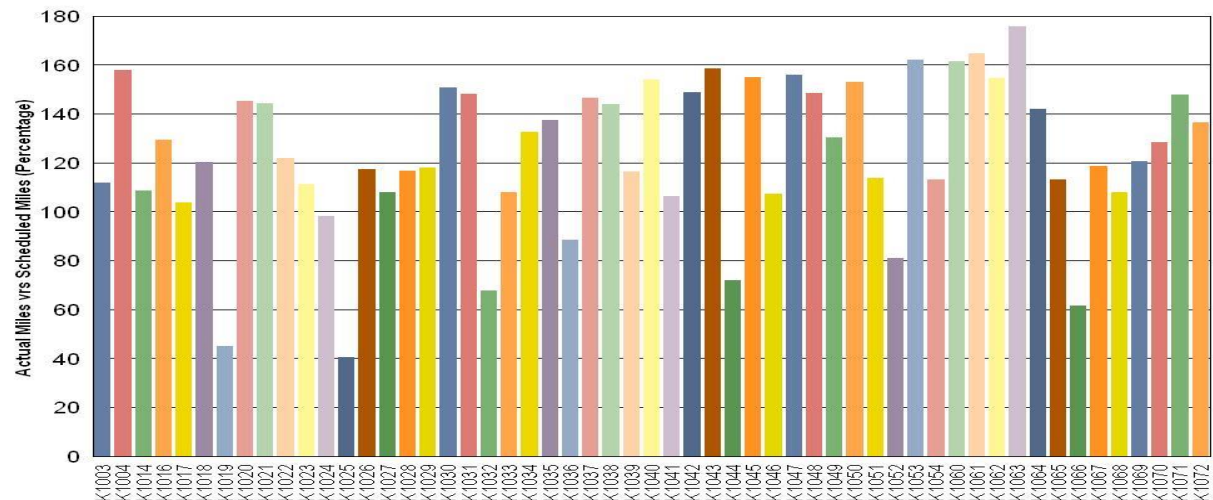
Car # 245 – Couplers and Door Overhaul

Car # K1099 – M/L No Movement (Flats)/ Coupler Issue/ Event Recorder

Car # K1123 – Delivered to Div.11 on 4-12-2018/ QA Inspection/ Warranty Work

Expo Line: The fleet has met the daily maximum utilization requirements for the month.

Metro Expo Line (55 Cars)



Note: Percentage includes an average 4% mileage deduction for yard mileage and vehicle testing.

Vehicle Utilization

April 2018

Metro Green Line (36 Cars)

Green Line:

The following cars were in service below 40% due to:

Car # 210 – Pantograph Damage Repair

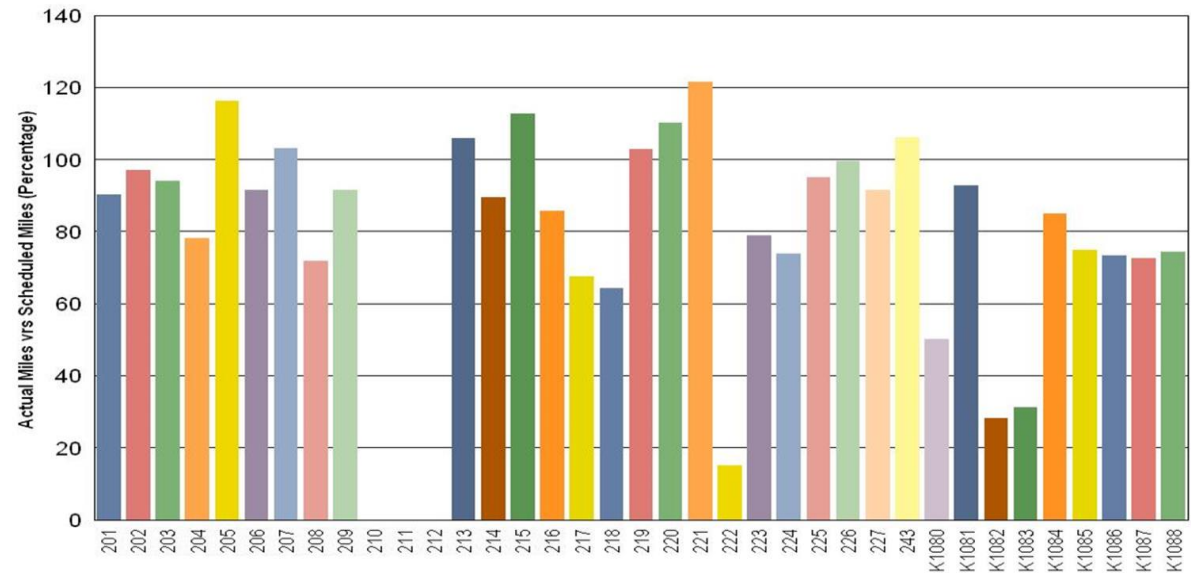
Car # 211 – Off the Property for Midlife Overhaul

Car # 212 – Off the Property for Midlife Overhaul

Car # 222 – Propulsion Fault

Car # K1082 – 10K Inspection

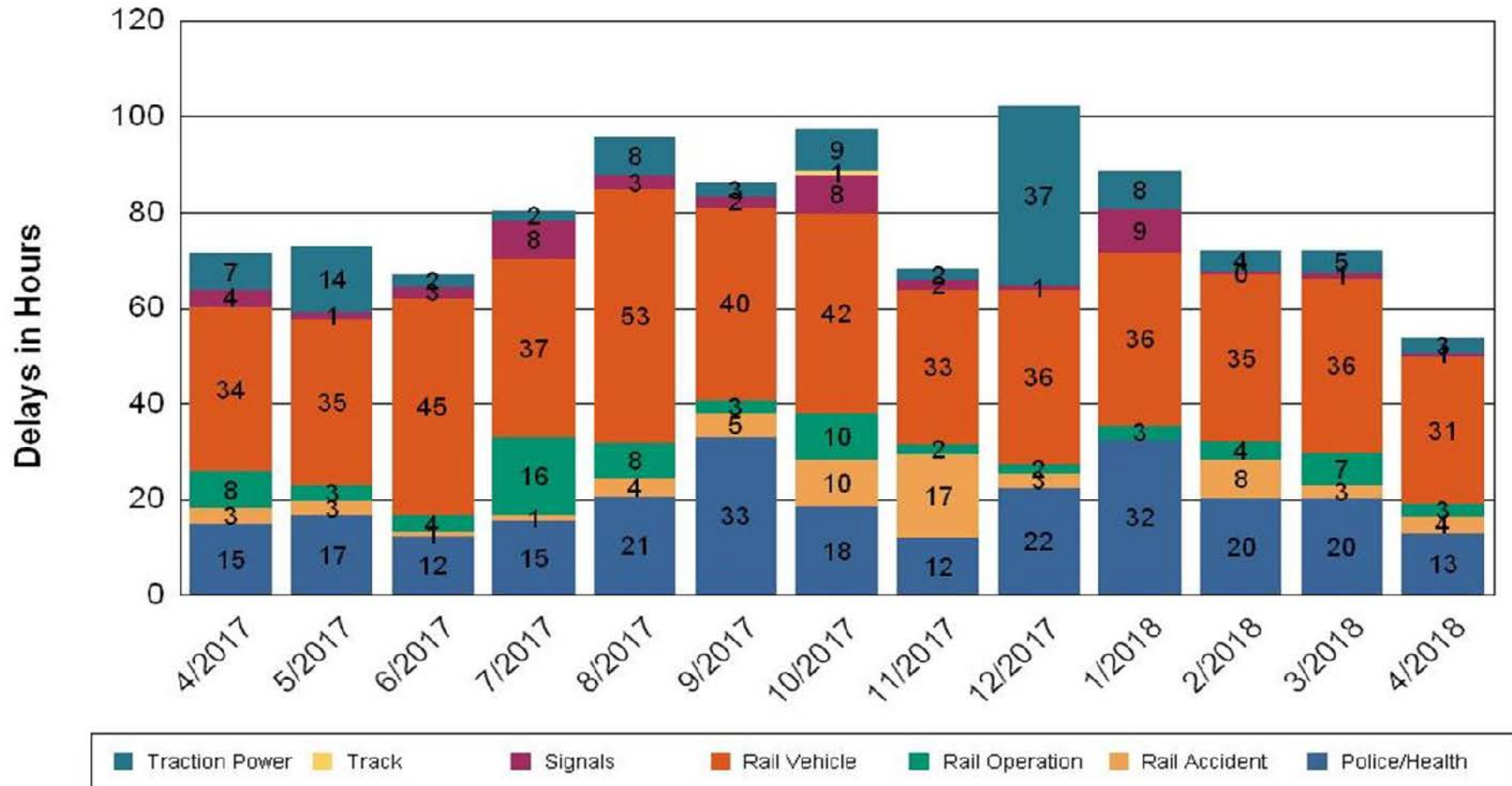
Car # K1083 – No Movement



All Train Delays (Hours) April 2017-2018

All Train Delays

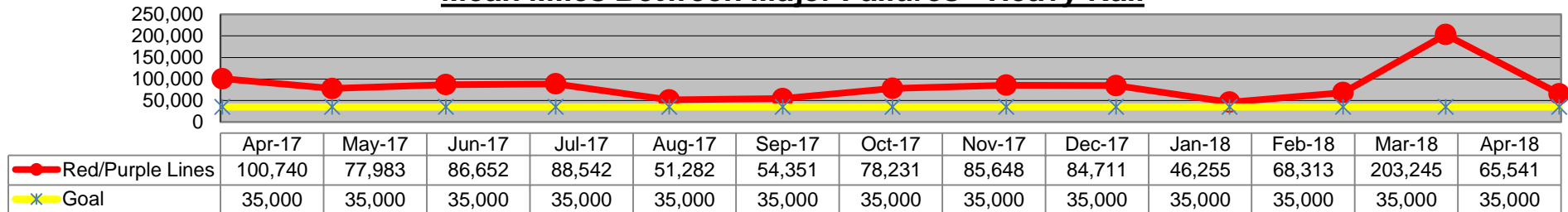
Totals Include the delay to all trains involved (not just the primary incident)



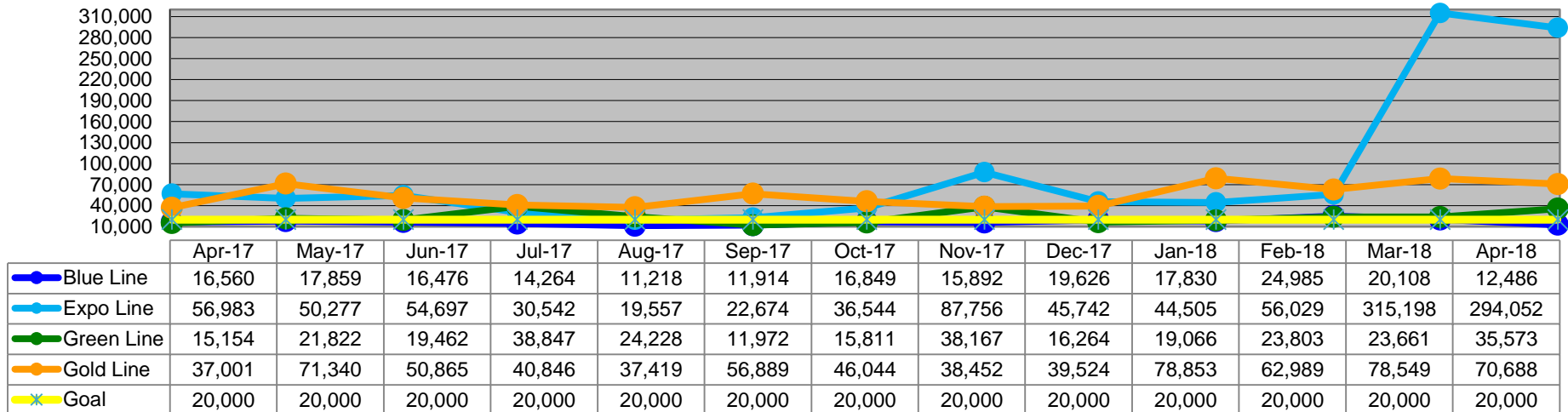
Mean Miles Between Major Failures (MMBF)

April 2017-2018

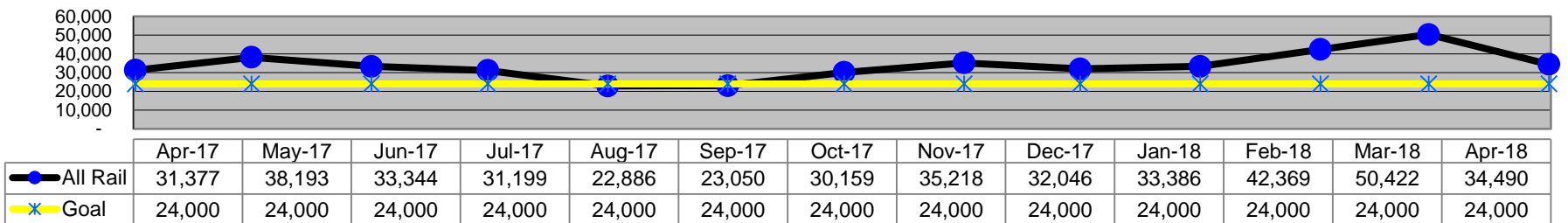
Mean Miles Between Major Failures - Heavy Rail



Mean Miles Between Major Failures - Light Rail



Mean Miles Between Major Failures (all)

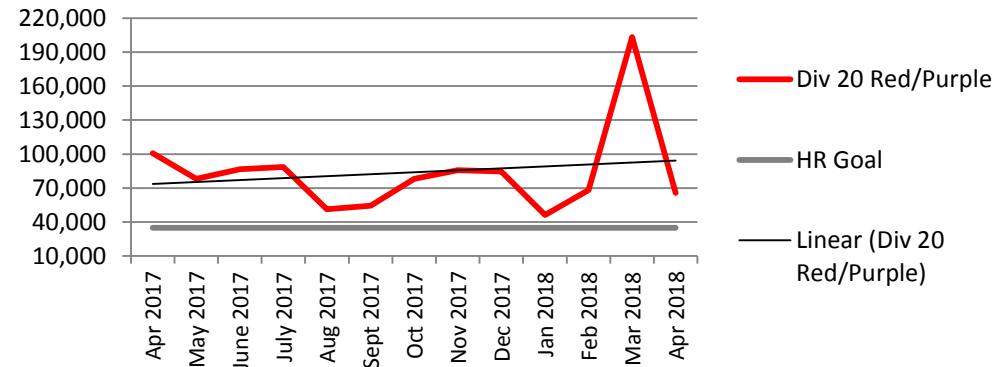


MMBF by Division

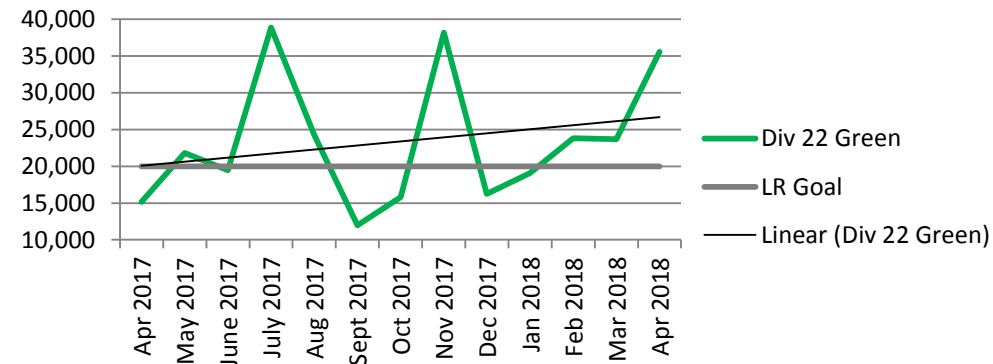
April 2017-2018

Month	Div 11 Blue	Div 14 Expo	Div 20 Red/Purple	Div 22 Green	Div 21/24 Gold	LR Goal	HR Goal
Apr 2017	16,560	56,983	100,740	15,154	37,001	20,000	35,000
May 2017	17,859	50,277	77,983	21,822	71,340	20,000	35,000
June 2017	16,476	54,697	86,652	19,462	50,865	20,000	35,000
July 2017	14,264	30,542	88,542	38,847	40,846	20,000	35,000
Aug 2017	11,218	19,557	51,282	24,228	37,419	20,000	35,000
Sept 2017	11,914	22,674	54,351	11,972	56,889	20,000	35,000
Oct 2017	16,849	36,544	78,231	15,811	46,044	20,000	35,000
Nov 2017	15,892	87,756	85,648	38,167	38,452	20,000	35,000
Dec 2017	19,626	45,742	84,711	16,264	39,524	20,000	35,000
Jan 2018	17,830	44,505	46,255	19,066	78,853	20,000	35,000
Feb 2018	24,985	56,029	68,313	23,803	62,989	20,000	35,000
Mar 2018	20,108	315,198	203,245	23,661	78,549	20,000	35,000
Apr 2018	12,486	294,052	65,541	35,573	70,688	20,000	35,000

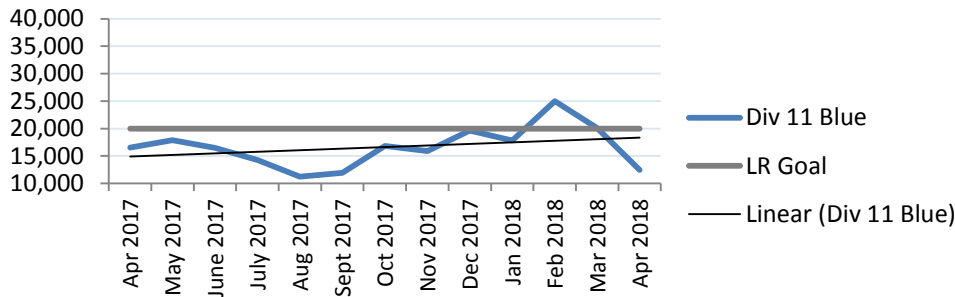
MRL MMBF



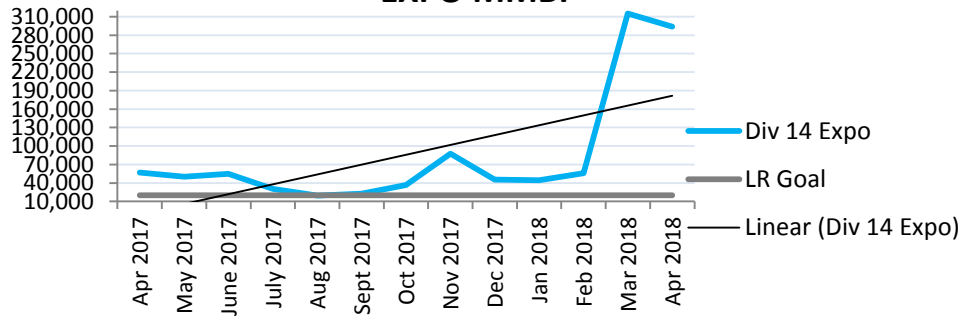
MGL MMBF



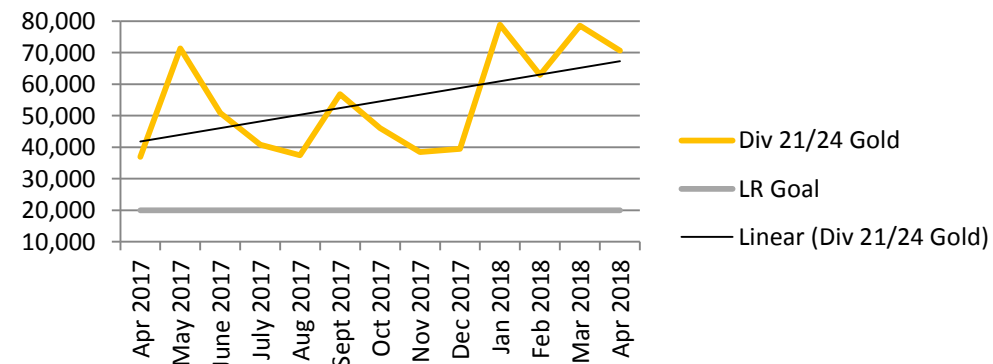
MBL MMBF



EXPO MMBF

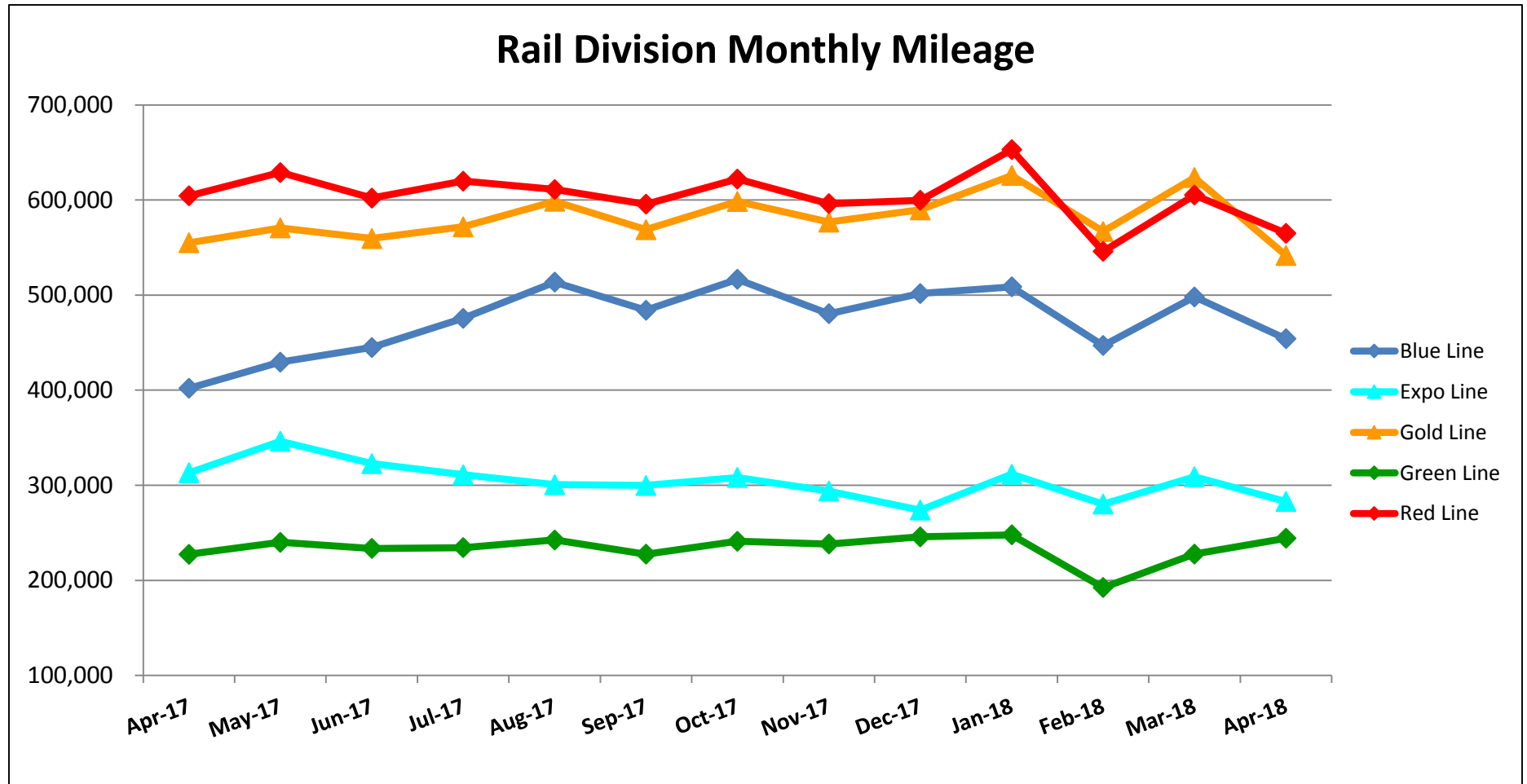


MGDL MMBF



Mileage Between Data Range (by month)

April 2017-2018

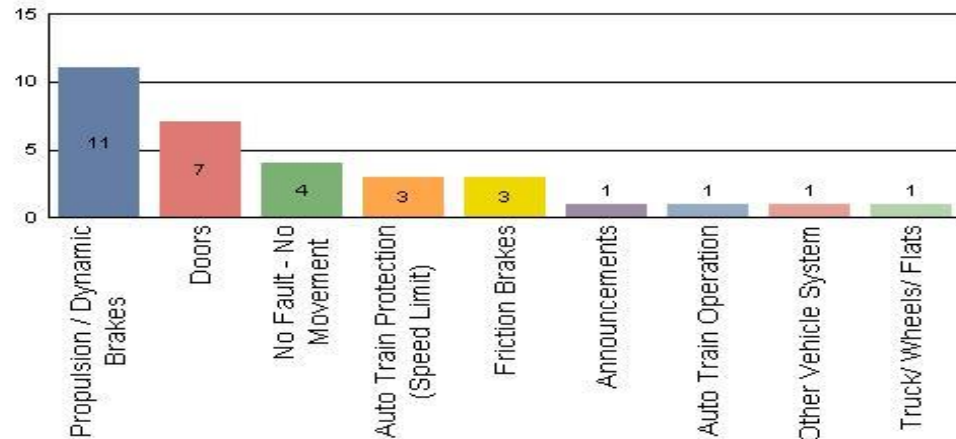


Top Incident Categories

April 2018

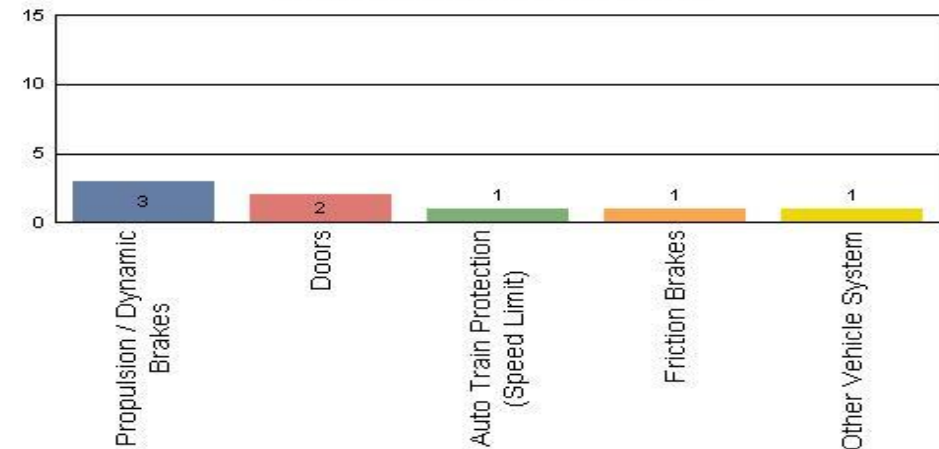
Metro Blue Line (Div 11)

Top Incident Categories



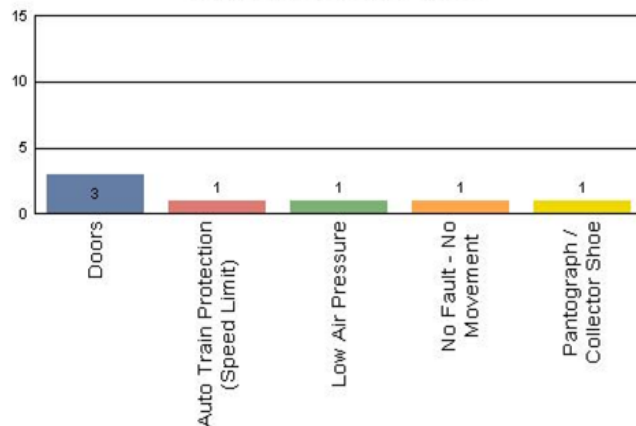
Metro Red/Purple Line (Div 20)

Top Incident Categories



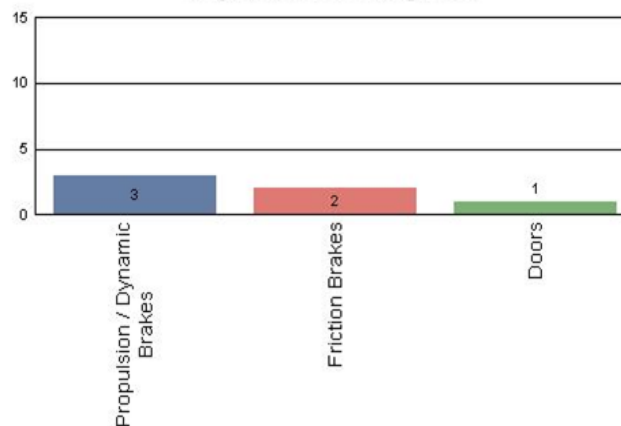
Metro Expo Line (Div 14)

Top Incident Categories



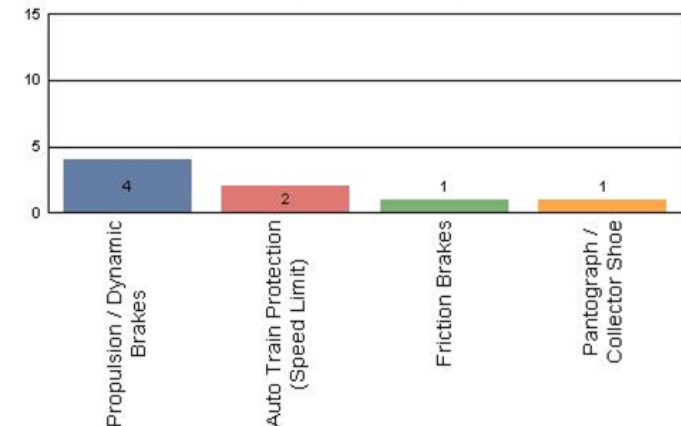
Metro Green Line (Div 22)

Top Incident Categories



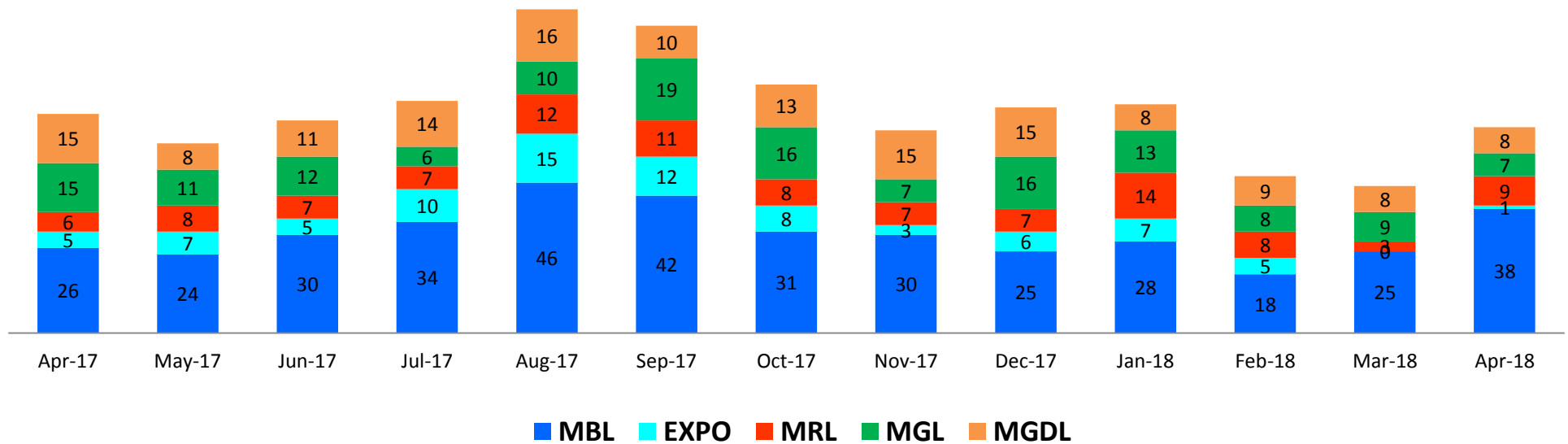
Metro Gold Line (Div 21 & Div 24)

Top Incident Categories



Major Incidents April 2017-2018

Numbers of Major System Failures (by Line)



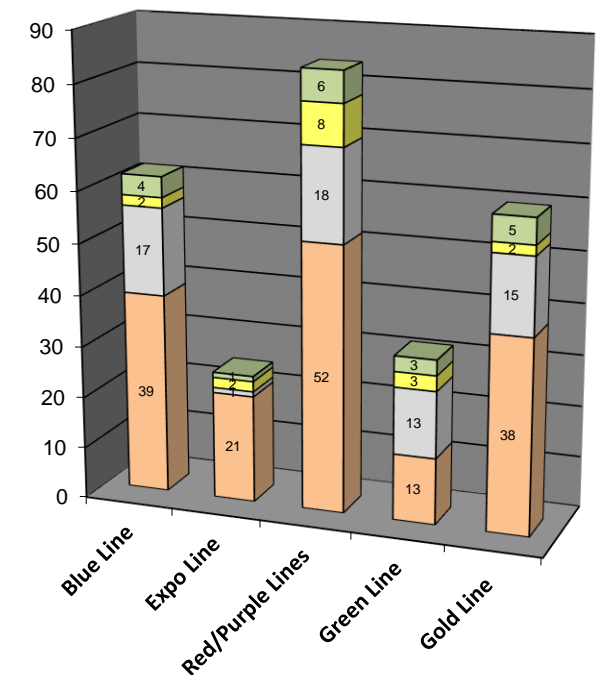
Preventive Maintenance Compliance

April 2017-2018

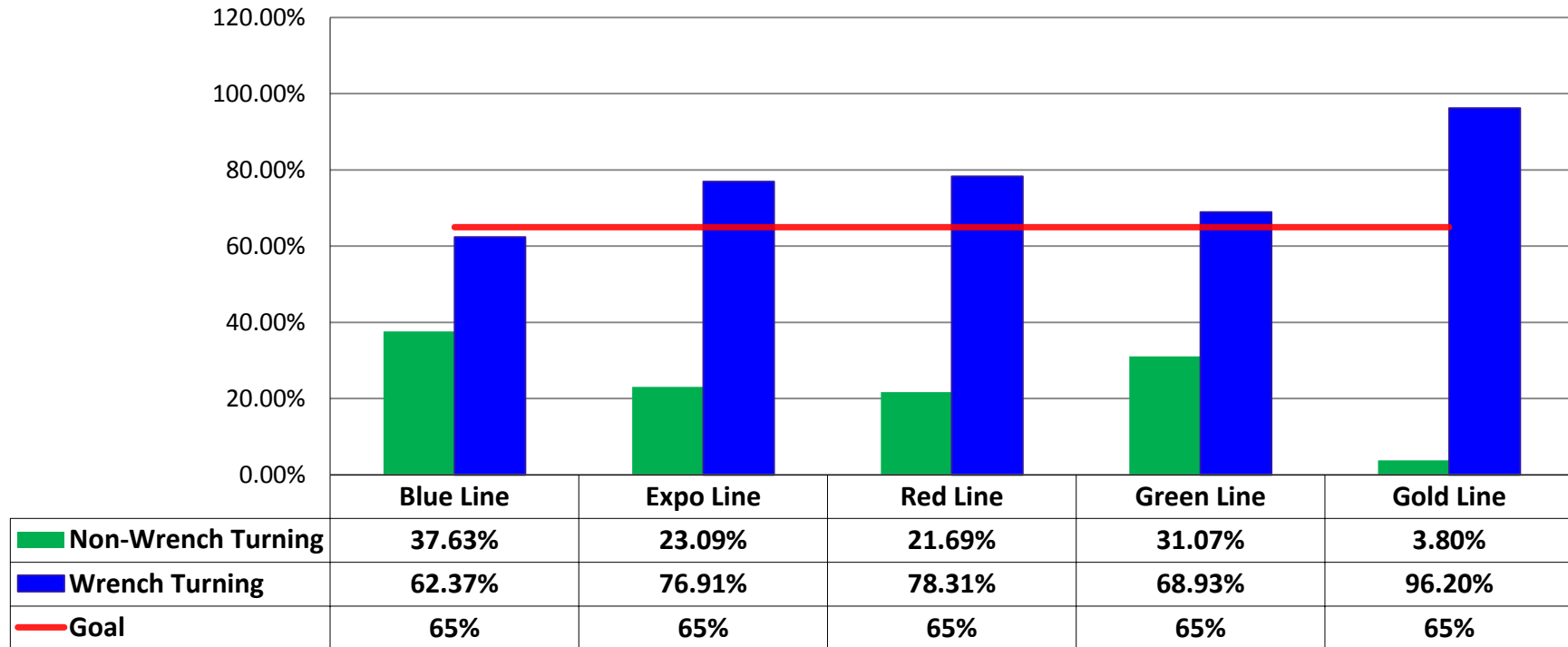
PM Compliance	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18
Blue Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Expo Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Red/Purple Lines	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Green Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Gold Line	100%	100%	98%	100%	100%	100%	100%	100%	100%	99%	100%	100%	100%

Number of Preventive Maintenance Inspections - April 2018					
Line	A level	B level	C level	D level	Totals
Blue Line	39	17	2	4	62
Expo Line	21	1	2	1	25
Red/Purple Lines	52	18	8	6	84
Green Line	13	13	3	3	32
Gold Line	38	15	2	5	60
Totals:	163	64	17	19	263

Explanation of PM Inspection levels		Miles			
Line	Type	A level	B level	C level	D level
Blue/Expo Lines	P865/P2020	5,000	15,000	30,000	60,000
Blue/Expo Lines	P2000	7,500	22,500	45,000	90,000
Red/Purple Lines	A650	7,500	22,500	45,000	90,000
Green Line	P2000	7,500	22,500	45,000	90,000
Gold Line	P2550	10,000	30,000	60,000	120,000
Gold/Expo Lines	P3010	10,000	30,000	60,000	120,000



RFS Leader Wrench Turning April 2018



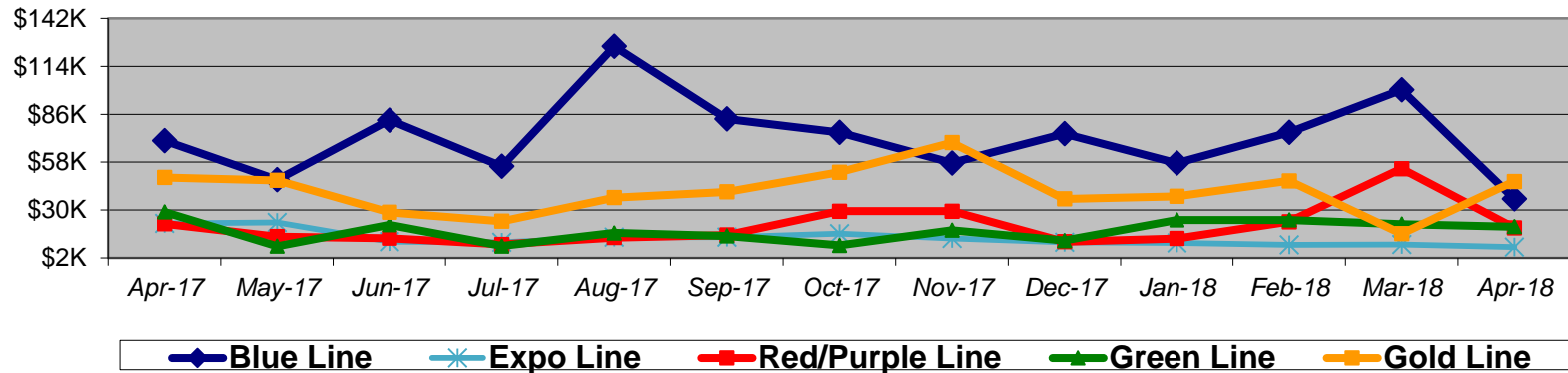
Notes: Labor hours contributed by Maint Specialist Leader, Rail Body/Paint Repair Leader, and Maint Specialist Temporary Leader

Vandalism & Graffiti Report

April 2017-2018

Graffiti Costs

	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	13-Month Period
Blue Line	\$71K	\$48K	\$83K	\$56K	\$126K	\$83K	\$75K	\$58K	\$75K	\$57K	\$75K	\$100K	\$37K	\$943K
Expo Line	\$22K	\$23K	\$11K	\$11K	\$14K	\$14K	\$16K	\$13K	\$11K	\$11K	\$10K	\$10K	\$8K	\$175K
Red/Purple Line	\$22K	\$14K	\$13K	\$10K	\$14K	\$15K	\$29K	\$29K	\$11K	\$13K	\$23K	\$54K	\$20K	\$269K
Green Line	\$29K	\$9K	\$21K	\$9K	\$17K	\$15K	\$9K	\$18K	\$12K	\$24K	\$24K	\$22K	\$20K	\$229K
Gold Line	\$49K	\$47K	\$29K	\$23K	\$37K	\$41K	\$52K	\$69K	\$37K	\$38K	\$47K	\$16K	\$47K	\$532K
Totals:	\$193K	\$141K	\$158K	\$109K	\$208K	\$168K	\$182K	\$188K	\$146K	\$144K	\$180K	\$202K	\$132K	\$2,149K

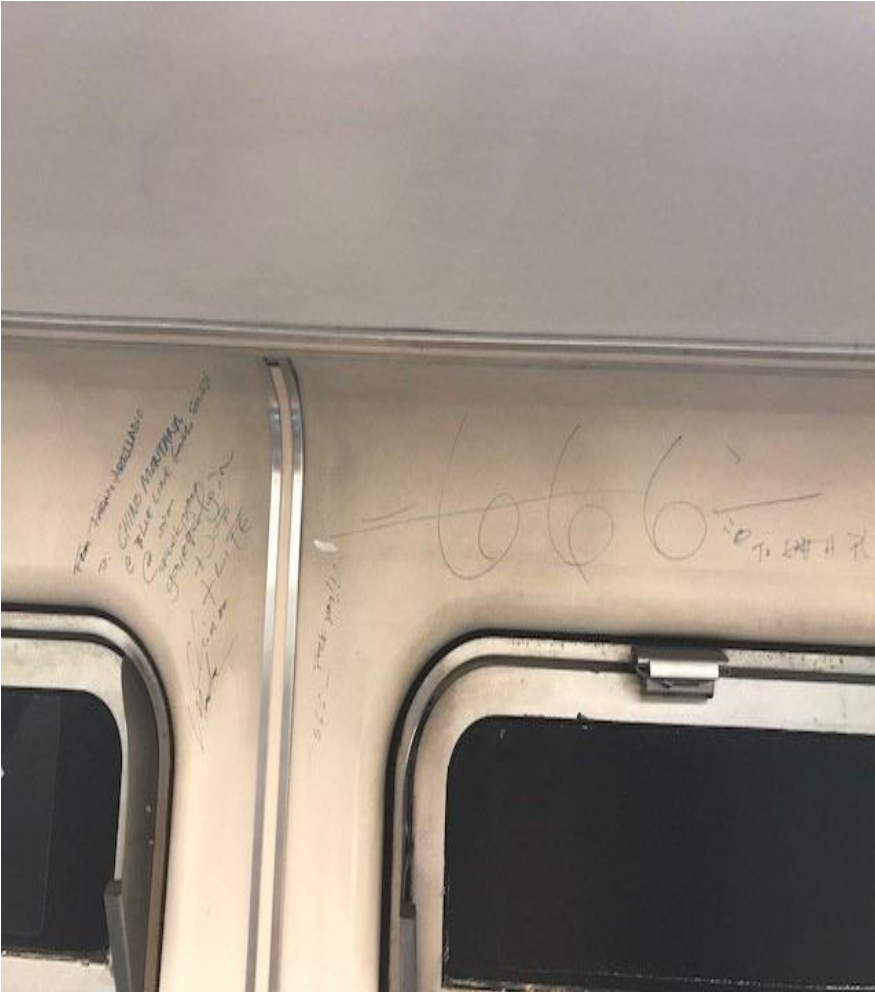


April 2018 Vandalism & Graffiti - All Rail				
	Qty	Labor	Materials	Totals
Windows Replaced	60	\$ 17,151	\$ 29,152	\$ 46,303
Vandal Shields Replaced	738	\$ 22,816	\$ 7,930	\$ 30,746
Seats Cleaned	169	\$ 1,332	\$ 797	\$ 2,129
Seats Inserts Replaced	351	\$ 13,230	\$ 14,603	\$ 27,833
Graffiti Removal - Other	1,189	\$ 12,962	\$ 8,359	\$ 21,321
Repainting Panels	102	\$ 3,213	\$ -	\$ 3,213
Totals	2,609	\$ 70,704	\$ 60,841	\$ 131,545

Vandalism & Graffiti Pictures

April 2018

Blue Line



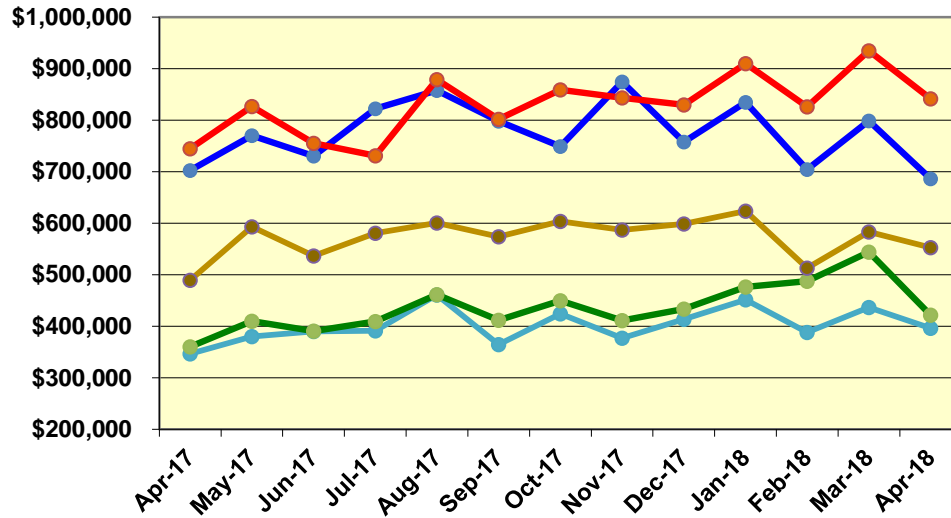
Green Line



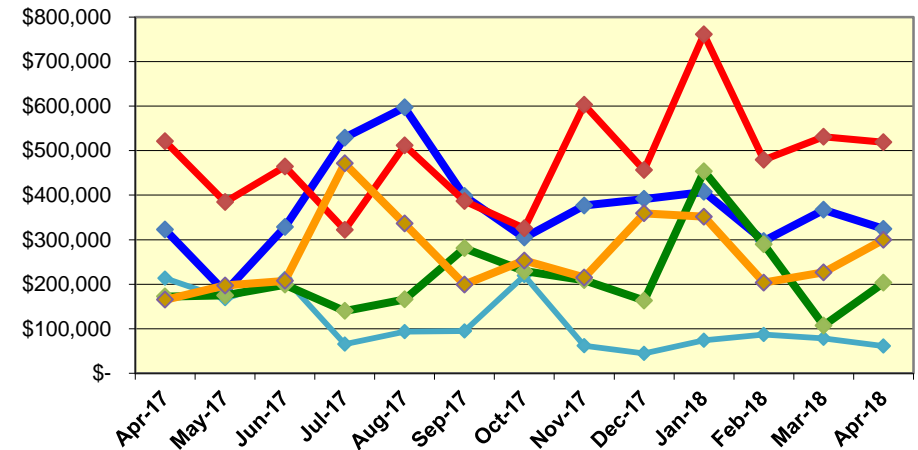
Labor and Material Costs

April 2017-2018

Labor Costs



Material Costs



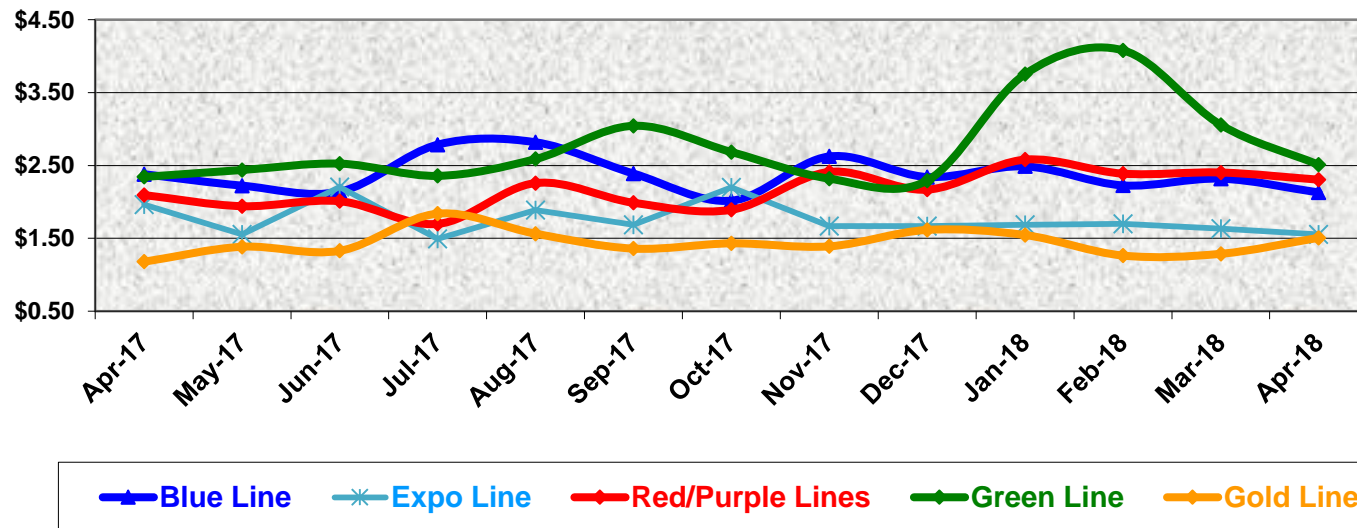
	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18
Labor Costs													
Blue Line	\$ 702,374	\$ 770,245	\$ 730,183	\$ 822,077	\$ 857,616	\$ 797,683	\$ 749,009	\$ 874,166	\$ 757,379	\$ 834,543	\$ 704,295	\$ 798,589	\$ 686,125
Expo Line	\$ 346,398	\$ 379,871	\$ 389,878	\$ 391,095	\$ 461,075	\$ 364,430	\$ 423,859	\$ 377,003	\$ 413,302	\$ 451,261	\$ 388,329	\$ 436,850	\$ 396,147
Red/Purple Lines	\$ 744,460	\$ 826,461	\$ 754,862	\$ 730,783	\$ 878,453	\$ 801,722	\$ 858,679	\$ 843,202	\$ 829,663	\$ 909,988	\$ 825,697	\$ 934,421	\$ 841,172
Green Line	\$ 360,314	\$ 410,146	\$ 390,662	\$ 409,313	\$ 461,320	\$ 411,714	\$ 449,839	\$ 410,869	\$ 433,318	\$ 476,459	\$ 487,669	\$ 543,685	\$ 421,588
Gold Line	\$ 489,634	\$ 593,070	\$ 536,404	\$ 580,341	\$ 600,583	\$ 574,080	\$ 603,761	\$ 586,885	\$ 598,943	\$ 623,485	\$ 513,210	\$ 582,935	\$ 552,474
Totals	\$ 2,643,180	\$ 2,979,794	\$ 2,801,989	\$ 2,933,607	\$ 3,259,046	\$ 2,949,629	\$ 3,085,146	\$ 3,092,125	\$ 3,032,606	\$ 3,295,737	\$ 2,919,200	\$ 3,296,480	\$ 2,897,507

	Material Costs												
Blue Line	\$ 322,424	\$ 182,846	\$ 328,206	\$ 529,007	\$ 596,865	\$ 397,951	\$ 304,627	\$ 376,903	\$ 391,572	\$ 407,451	\$ 297,011	\$ 367,074	\$ 324,407
Expo Line	\$ 213,435	\$ 167,428	\$ 212,682	\$ 65,432	\$ 93,233	\$ 94,730	\$ 218,980	\$ 61,966	\$ 44,504	\$ 73,843	\$ 87,318	\$ 78,411	\$ 61,078
Red/Purple Lines	\$ 521,242	\$ 384,776	\$ 463,957	\$ 321,863	\$ 511,576	\$ 386,990	\$ 325,604	\$ 602,668	\$ 456,278	\$ 760,795	\$ 479,382	\$ 531,234	\$ 518,550
Green Line	\$ 172,269	\$ 174,969	\$ 199,040	\$ 140,168	\$ 165,820	\$ 280,752	\$ 229,311	\$ 208,844	\$ 163,235	\$ 453,737	\$ 289,320	\$ 107,325	\$ 203,363
Gold Line	\$ 165,012	\$ 197,220	\$ 207,555	\$ 471,378	\$ 336,025	\$ 199,318	\$ 253,138	\$ 215,172	\$ 359,058	\$ 351,690	\$ 203,571	\$ 226,568	\$ 300,043
Totals	\$ 1,394,383	\$ 1,107,239	\$ 1,411,440	\$ 1,527,848	\$ 1,703,519	\$ 1,359,742	\$ 1,331,660	\$ 1,465,553	\$ 1,414,648	\$ 2,047,515	\$ 1,356,602	\$ 1,310,612	\$ 1,407,440

Cost Per Mile April 2017-2018

Cost per mile:	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	Average
Blue Line	\$2.38	\$2.22	\$2.14	\$2.79	\$2.82	\$2.39	\$2.02	\$2.62	\$2.34	\$2.49	\$2.23	\$2.32	\$2.13	\$2.38
Expo Line	\$1.96	\$1.56	\$2.20	\$1.49	\$1.89	\$1.69	\$2.20	\$1.67	\$1.67	\$1.69	\$1.70	\$1.63	\$1.55	\$1.76
Red/Purple Lines	\$2.09	\$1.94	\$2.01	\$1.70	\$2.26	\$1.99	\$1.89	\$2.41	\$2.17	\$2.58	\$2.39	\$2.40	\$2.31	\$2.16
Green Line	\$2.34	\$2.44	\$2.52	\$2.36	\$2.59	\$3.04	\$2.68	\$2.32	\$2.29	\$3.75	\$4.08	\$3.06	\$2.51	\$2.77
Gold Line	\$1.18	\$1.38	\$1.33	\$1.84	\$1.56	\$1.36	\$1.43	\$1.39	\$1.62	\$1.55	\$1.26	\$1.29	\$1.51	\$1.44

Cost per Mile



ATU Absences vs. Overtime

April 2018

ABSENCE TYPE and HOURS	3941 Blue	3947 Expo	3942 Red	3943 Green	3944 Gold	3948 Monrovia	Total
AWP-ABSENT W/O PERMISSION	-	-	-	-	-	2	2
BER-BEREAVEMENT	-	24	40	-	-	24	88
CTO-COMPENSATORY TIME OFF	696	98	408	284	74	239	1,800
CUT-EMPLOYEE LEAVES EARLY	1	2	6	-	1	-	10
DSL-DISABILITY LEAVE/LONG	696	216	-	520	320	440	2,192
EFH-EMG. FLOAT HOL.	16	-	16	24	24	-	80
ETO-EXCUSED TIME OFF	39	81	41	14	-	26	201
FMI-FAM IND INJURY	56	-	-	160	-	-	216
FML-FAMILY CARE LEAVE	888	176	488	32	8	348	1,940
FMS-FAMILY LEAVE SICK	220	-	222	16	-	76	534
HLF-HOLIDAY FLOATING	176	128	312	120	56	110	902
II-INDUSTRIAL INJURY	40	-	-	-	-	-	40
JUR-JURY DUTY	-	-	16	-	24	8	48
LC1-LABOR CODE 233	344	168	292	148	24	290	1,266
LTI-OCCPIL/LONGTRM INJ LEAVE	504	168	336	168	-	-	1,176
MLN-MILITARY ABSENCE-UNPAID	-	-	8	-	-	-	8
OWP-OFF WITH PERMISSION	72	1	4	-	-	1	77
RTO-REQUESTED TIME OFF-NO PAY	52	-	-	-	-	-	52
SCK-SICK PAY	540	112	245	96	16	146	1,155
SCW-SICK WITHOUT PAY	136	32	24	254	8	108	562
SPN-SCHOOL PARTNER NOT PAID	-	-	-	-	-	16	16
TAR-TARDY	1	1	2	1	0	0	6
UNP-UNION BUS PAID	-	8	-	-	-	-	8
VAC-VACATION	835	215	1,104	448	100	418	3,120
*TRAINING	573	257	10	16	3	4	863
Total Absence Hours	5,885	1,687	3,574	2,300	659	2,256	16,362
**ATU Number of Work Force (active)	96	40	104	46	17	57	360
Full Work Force hours/month	16,637	6,932	18,023	7,972	2,946	9,880	62,388
Absence as a % of Work Force	35%	24%	20%	29%	22%	23%	26%

OVERTIME TYPE and HOURS	3941 Blue	3947 Expo	3942 Red	3943 Green	3944 Gold	3948 Monrovia	Total
CTB-COMPENSATORY TIME TO BANK	87	65	55	114	-	113	434
OTP-PREM OVERTIME	3,946	2,137	4,504	2,550	8	1,146	14,291
WLO-Worked Lunch Overtime	127	131	247	71	29	82	686
Total Overtime Hours	4,161	2,332	4,806	2,734	37	1,341	15,411
Overtime as a % of Work Force	25%	34%	27%	34%	1%	14%	25%

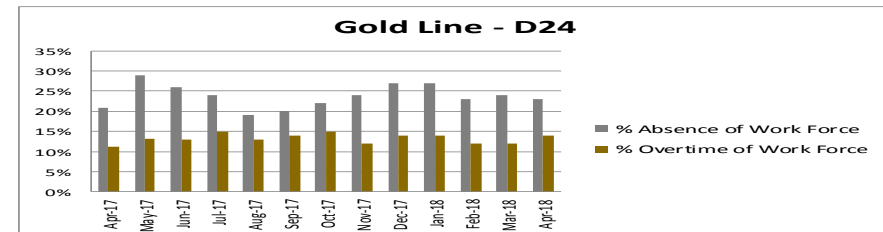
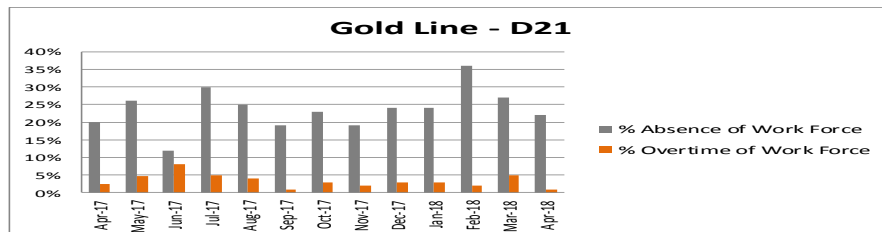
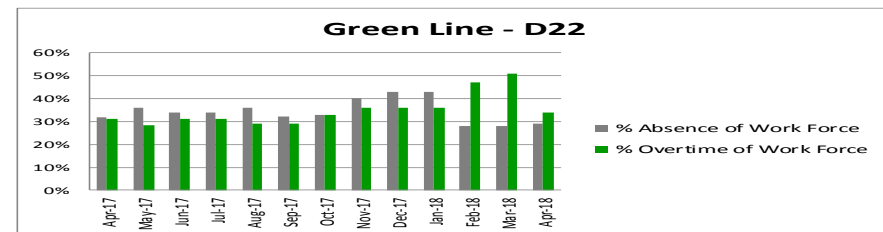
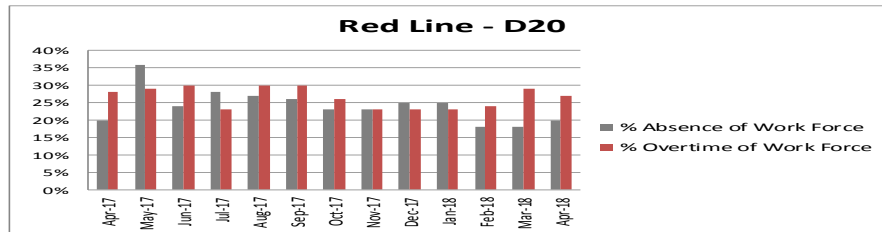
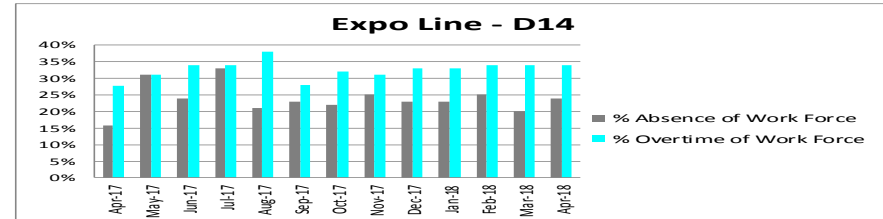
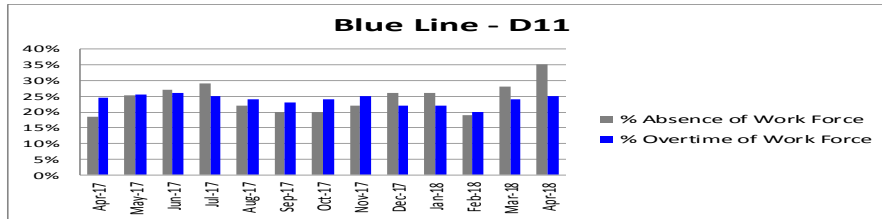
*Training hours captured by Instruction Department are added to Absences Report.

**ATU Employee Numbers from ATU Manpower Status Report (last week of the month)

Note: Overtime also covers other required activities, including Training, Component Overhaul, and Special Events.

ATU - %Absence & %Overtime of Work Force

April 2017-2018



% Absence of Work Force	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	13-Month Average
Blue Line D11	19%	25%	27%	29%	22%	20%	20%	22%	26%	26%	19%	28%	35%	24%
Expo Line D14	16%	31%	24%	33%	21%	23%	22%	25%	23%	23%	25%	20%	24%	24%
Red Line D20	20%	36%	24%	28%	27%	26%	23%	23%	25%	25%	18%	18%	20%	24%
Green Line D22	32%	36%	34%	34%	36%	32%	33%	40%	43%	43%	28%	28%	29%	34%
Gold Line D21	20%	26%	12%	30%	25%	19%	23%	19%	24%	24%	36%	27%	22%	24%
Gold Line D24	21%	29%	26%	24%	19%	20%	22%	24%	27%	27%	23%	24%	23%	24%

% Overtime of Work Force	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	13-Month Average
Blue Line D11	24%	26%	26%	25%	24%	23%	24%	25%	22%	22%	20%	24%	25%	24%
Expo Line D14	28%	31%	34%	34%	38%	28%	32%	31%	33%	33%	34%	34%	34%	33%
Red Line D20	28%	29%	30%	23%	30%	30%	26%	23%	23%	23%	24%	29%	27%	27%
Green Line D22	31%	28%	31%	31%	29%	29%	33%	36%	36%	36%	47%	51%	34%	35%
Gold Line D21	2%	5%	2%	5%	4%	1%	3%	2%	3%	3%	2%	5%	1%	3%
Gold Line D24	11%	13%	13%	15%	13%	14%	15%	12%	14%	14%	12%	12%	14%	13%

Training - RFS Instruction Department

April 2018

RFS Training Hours

Team	No. Employees	Vehicle Training	RFS Other	Metro Provided	Total Training Hours
RFS Admin	-	-	-	-	-
Division 11	16	560	-	13	573
Division 14	10	240	-	17	257
Division 20	3	-	-	10	10
Division 21	1	-	-	3	3
Division 22	5	-	-	16	16
Division 24	2	-	-	4	4
Instruction	3	-	-	12	12
MS Apprentice	9	1,048	-	104	1,152
Grand Total	49	1,848	-	178	2,026

RFS Instruction Time



Description

Vehicle Training = Training related to Fleet Maintenance

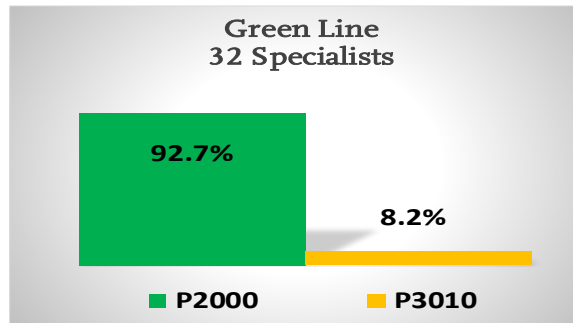
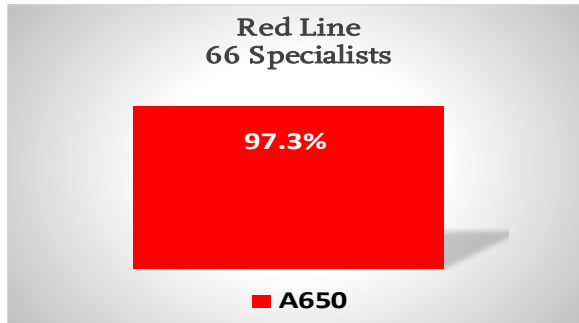
RFS Other = Training Created by RFS Instruction but not related to Vehicle Training

Metro Provided = Training provided outside RFS Training (OD&T, Transportation)

Total Training Hours = Total amount of man-hours spent by RFS in any kind of training

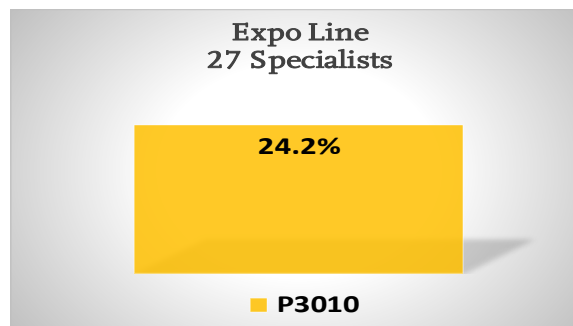
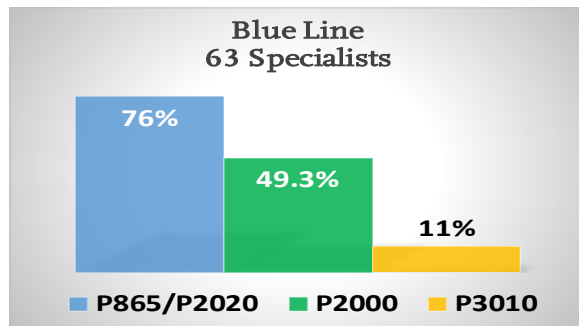
Maintenance Specialists Vehicle Training Levels

April 2018



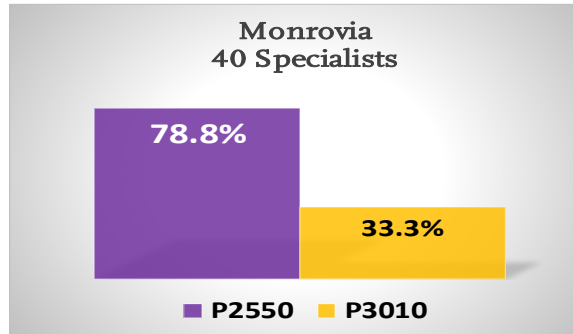
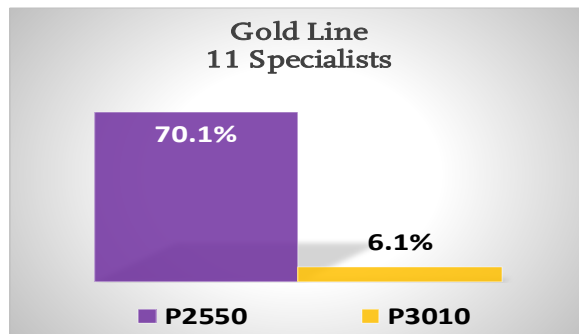
Red Line	66	Specialists
Average Experience	12.8	Years
A650	97.3%	Training Complete

Green Line	32	Specialists
Average Experience	11.1	Years
P2000	92.7%	Training Complete
P3010	8.2%	Training Complete



Blue Line	63	Specialists
Average Experience	14.9	Years
P865/P2020	76%	Training Complete
P2000	49.3%	Training Complete
P3010	11%	Training Complete

Expo Line	27	Specialists
Average Experience	4.3	Years
P3010	24.2%	Training Complete



Gold Line	11	Specialists
Average Experience	6.6	Years
P2550	70.1%	Training Complete
P3010	6.1%	Training Complete

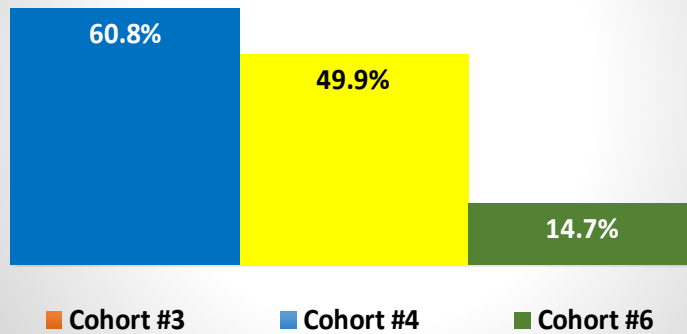
Gold Line - Monrovia	40	Specialists
Average Experience	8.5	Years
P2550	78.8%	Training Complete
P3010	33.3%	Training Complete



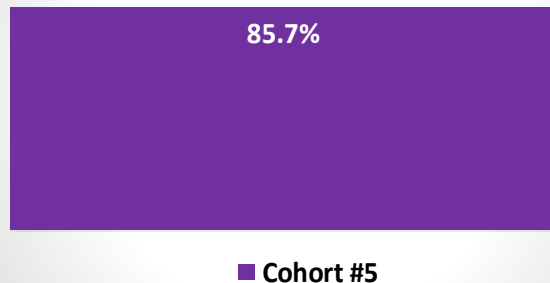
* SHIFT IN NUMBERS REPRESENT THE MOVEMENT OF EMPLOYEES WITH LESS EXPERIENCE AND TRAINING, SUCH AS APPRENTICES MOVING TO THE MAINTENANCE SPECIALIST LEVEL

Maintenance Specialists Apprenticeship Progress April 2018

In-House Training 18 Specialist Apprentices



LATTC Training 5 Specialist Apprentices



JAC Program | MS Apprenticeship

Cohort #3	4	Apprentices
Time in Program	0.7	Years
Scheduled Training	60.8%	Training Complete
Est. Graduation Date:	8/27/2018	

Cohort #4	3	Apprentices
Time in Program	0.4	Years
Scheduled Training	49.9%	Training Complete
Est. Graduation Date:	11/19/2018	

Cohort #5	5	Apprentices
Time in Program	0.4	Years (LATTC)
LATTC Training	85.7%	
Est. Graduation Date:	5/21/2019	

Cohort #6	9	Apprentices
Time in Program	0.1	Years
Scheduled Training	14.7%	Training Complete
Est. Graduation Date:	4/9/2019	